

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A system for managing a plurality of file system processes within an audio/video file system, comprising:

a process status monitor for maintaining respective status information pertaining to said plurality of file system processes for processing isochronous files and asynchronous files;
and

a plurality of local process objects, each local process object having a plurality of variables stored at a dedicated location;

wherein each local process object corresponds to a file system process;

wherein said plurality of file system processes are executed in accordance with their corresponding status information, wherein said plurality of file system processes are paused at a point during execution according to the status information to wait for input from another process if input is needed to allow processing of isochronous files and asynchronous files; and

wherein upon execution of each of said plurality of file system processes from being paused, said plurality of variables from the corresponding local process object is retrieved from said dedicated location.

2. (original) The system according to claim 1 further comprising:

a pointers control for maintaining a plurality of pointers;

wherein said plurality of pointers respectively point to said plurality of local process objects thereby allowing said plurality of variables of each of said plurality of local process objects to be retrieved.

3. (original) The system according to claim 1 further comprising:

a process size indicator for maintaining size information for said plurality of file system processes.

4. (original) The system according to claim 1, wherein said process status monitor is implemented using a bit string.

5. (currently amended) A system for managing a plurality of file system processes, comprising:

a process status monitor for maintaining respective status information pertaining to said plurality of file system processes; and

a plurality of local process objects, each local process object further comprising:

a progress monitor configured to pause said plurality of file system processes at a point during execution according to the status information to wait for input from another process if input is needed to allow processing of isochronous files and asynchronous files;

a callback function configured to return the input from the another process; and

a set of application-specific process properties;

wherein each local process object corresponds to a file system process, wherein upon execution of each of said plurality of file system processes from being paused, said plurality of variables from the corresponding local process object is retrieved from said dedicated location.

6. (original) The system according to claim 5, wherein said progress monitor is used to maintain state information for said file system process.

7. (original) The system according to claim 6, wherein said state information includes an inactive state, a first-call state, a going-on state, and a last-call state.

8. (original) The system according to claim 5, further comprising:

a process phase monitor;

wherein said process phase monitor is used to maintain phase information for said file system process.

9. (currently amended) A process control manager for managing a plurality of file system processes within an audio/video file system, comprising:

a global process module having:

a process status monitor for maintaining respective status information relating to said plurality of file system processes;

a plurality of local process objects, each local process object having a progress monitor, a callback function, and a set of application specific process properties, wherein said plurality of file system processes are paused at a point during execution according to the status information to wait for input from another process if input is needed to allow processing of isochronous files and asynchronous files;

a pointers control for maintaining a plurality of pointers, each pointer pointing to one of said plurality of local process objects; and

a process size indicator for maintaining size information for said plurality of file system processes.

10. (original) The process control manager according to claim 9, wherein each local process object further includes a plurality of variables stored at a dedicated location;

wherein each local process object corresponds to a file system process; and

wherein upon execution of said file system process, said plurality of variables from said corresponding local process object is retrieved from said dedicated location.

11-13 (canceled)

14. (new) The system of claim 1, wherein said plurality of file system processes progress through a plurality of states, wherein said plurality of file system processes may be paused at an end of one of the states.

15. (new) The system of claim 14, wherein within each state, said plurality of file system processes may progress through a plurality of phases, wherein said plurality of file system processes may be paused at an end of one of the phases.

16. (new) The system of claim 15, wherein the plurality of states and phases specify points where said plurality of file system processes may need input from another process to allow processing of both isochronous and asynchronous files.

17. (new) The system of claim 5, wherein said plurality of file system processes progress through a plurality of states, wherein said plurality of file system processes may be paused at an end of one of the states.

18. (new) The system of claim 17, wherein within each state, said plurality of file system processes may progress through a plurality of phases, wherein said plurality of file system processes may be paused at an end of one of the phases.

19. (new) The system of claim 18, wherein the plurality of states and phases specify points where said plurality of file system processes may need input from another process to allow processing of both isochronous and asynchronous files.

20. (new) The system of claim 9, wherein said plurality of file system processes progress through a plurality of states, wherein said plurality of file system processes may be paused at an end of one of the states.

21. (new) The system of claim 20, wherein within each state, said plurality of file system processes may progress through a plurality of phases, wherein said plurality of file system processes may be paused at an end of one of the phases.

22. (new) The system of claim 21, wherein the plurality of states and phases specify points where said plurality of file system processes may need input from another process to allow processing of both isochronous and asynchronous files.